SUREMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8

BR-188/30 6/17

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 188844

Serial No. Main bill:-

Name of work. Improvements to roads From in UAS layout To end roads in ward-7.

Name of Contractor of nature of Agency. Kodigehalli sub division:

Date of commencement of work. Sri. Ninganagowda. V. Patil:

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Name of work:-	Improvements to roads to UAS layout End roads in ward no 07.					
	Est Cost:-	15.00 lakhs:					
	Job code:-	007-16-000011					
	D.S.No:-	BBMP/CE/YNK/PR/100/15-16, dt: 19-08-15					
	T.S.No:-	BBMP/CE/YNK/PR/20/15-16, dt: 19-08-15					
	Tender amount:-	1474226.00					
	Date of completion:-	29-06-17					
	Date of recording:-	29-06-17					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No. 01:- Earthwork excavation by manual means in ordinary soil involving an average horizontal throw., Qty vide page no. 1889 | 188878 → 103.32 cum At the rate of Rs. 75.00 → 75.00						7749.00
	Item No. 02 Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines., Qty vide page no: 1889 | 188878 → 12.96 cum At the rate of Rs. 175.00 →						2268.00 ~~2268.00~~
	Item No. 15:- Lead for disposal: Qty vide Item No: 01 → 103.32 cum.						

Serial No.....

Name of work.....

Name of Contractor of nature of Agency...

Date of commencement of work.....

Date	Full description, etc, of work	N
1	2	
	At the rate of	
	Item No. 09:- Providing and of mix M10 with OPC graded granite fine aggregates e Qty vide pa At the rate	

REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
...ion by manual means in ordinary				
...e horizontal throo.,				
1889 | 188878 → 103.32 cum				7749.00
~~75.00~~ → 75.00				
...ggs foundation of buildings,				
...nitary lines.,				
1889 | 188878 → 12.96 cum				2268.00
~~176.00~~ 40 →				~~22815.00~~
...o: 01 → 103.32 cum.				

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 188845

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	At the rate of Rs:		138.00 →				14258.00
	Item No. 09:-						
	Providing and laying in position plain cement concrete of mix M10 with OPC cement @ 220 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.897 cum and fine aggregates @ 0.465 cum machine mixed,						
	Qty vide page No. 1889 | 188879 →					2.16 cum.	
	At the rate of Rs:		5060.00 →				10929.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No. 10:-						
	Providing and constructing granite/trap/basalt rize stone masonry in foundation with cement mortar 1:6;						
	Qty vide page No. 1889/188879 → 5.76 cum.						
	At the rate of Rs. 3830.00 →						22060.80
	Item No. 14:-						
	Providing raked pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials.,						
		1x2=2	8.00	0.60	-	9.6 sqm	
	Qty ltd to 4.8 sqm.						
	At the rate of Rs. 92.00 →						441.60

Serial No.....

Name of work.....

Name of Contractor of nature of Agency

Date of commencement of work.....

Date	Full description, etc, of work
1	2
	Item No. 11:-
	Providing and
	and removal of form
	columns for mass con
	For culvert covering sla
	At the rate

UREMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
onstructing granite/trap/basalt size				
ion with cement mortar 1:6;				
0. 1889/	188879 →	5.76 cum.		
3830.00 →				22060.80
pointing to coursed stone masonry with				
deep, after raking joints to depth of				
uding cost of materials.,				
=2/ 8.00	0.60	–	= 9.6 sqm	
9.8 sqm.				
Rs 92.00 →				441.60

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 188846

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Item No. 11:- Providing and removing, shuttering, straitting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials.,						
	For culvert covering slab:-						
		01	8.00	0.60	–	= 4.80	
		02	6.00	0.23	–	= 2.76	
		02	1.86	0.23	–	= 0.83	
						8.39 sqm.	
	At the rate of Rs:		236.00 →				1980.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No 13:-						
	Providing T.M.T steel reinforcement for RCC work including straightening, cutting, bending, hooking, placing in position, lapping /or welding:						
	Qty vide page No: 1889/18880 → 8.40 tonne						
	At the rate of Rs: 78350.0 →						31340.00
	Item No 15:-						
	Providing and layering cement concrete using 20mm and down size granite Jelly of ready mix concrete for RCC works laid in 15cm thick layers and well compacted including vibrating curing etc;						
	Covering slab:-	01	8.00	1.80	0.23 =	3.31	cum

Serial No.....

Name of work.....

Name of Contractor of nature of Agenc

Date of commencement of work.....

Date	Full description, etc, of work	
1	2	
	At the rate	
	Item No 02:-	
	Scarifying	
	of 50mm and depth	
	leads upto 1000m &	
	Qty vide	
	At the rate	

EASUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
lumber 3	Length 4	Breadth 5	Depth 6	7	8
l steel reinforcement for RCC work including g, bending, hooking, placing in position,					
ge. No: 1889 | 18880 → 8.40 tonne					
of Rs: 78350·0 →					31340·00
laying cement concrete using 20mm and jelly of ready mix concrete for RCC thick layers and well compacted curing etc)					
01	8.00	1·80	0·23	= 3·31 cum	

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 188847

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	At the rate	of Rs:	5848· ~~5847·12~~ →				19355·00
	Item No 02:- Scarifying the existing granular road surface to a depth of 50mm and disposal of scarified material within all lifts and leads upto 1000m & complete:						
	Qty vide	page No 1889 | 18888 →				2034·00 sq.m	36612- ~~36266·40~~
	At the rate	of Rs:	18·00 →				

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No.03:-						
	Compaction of original ground width max. of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labours, tion of machinery.						
	Qty vide page No. 1889	188882	→			2054.00 sqm	
	At the rate of Rs: 4.0 →						8136.00
	Item No.04:-						
	Providing and laying, spreading and compacting graded stones aggregates to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant.,						

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Serial No.....

Name of work.....Fro

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
	Qty vide page No.188	
	At the rate of Rs: 142	
	Item No.05:-	
	Providing and appl	
	on prepared surface of gr	
	road surface and sprayin	
	Qty vide page No.	
	At the rate of Rs.	

UREMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
ginal	ground	width max. of 6		
power	roller	including filling in		
g rolling	including	cost of all		
y.				
1889	188882 →	2034.00 sqm		8136.00
4.0 →				
ing,	spreading	and compacting		
es to	hot mix	macadam specifications		
aterial	with	water at OMC in		

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 188848

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Qty vide page No. 188883 →		508.50 cum				725629.50
	At the rate of Rs. 1427.00 →						
	Item No. 05:-						
	Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.60 kg/cum.,						
	Qty vide page No. 188884 →		2034.00 sqm				63054.60
	At the rate of Rs. 31.0 →						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No.06:-						
	Providing and laying semi-dense bituminous						
	concrete 25mm to 30mm thick with 100-120 tph batch type						
	HMP producing an average output of 75 tonnes.,						
	Road parallel to railway track:-						
	0-30	01	30.0	8.30	0.03	= 7.47	
	30-60	01	30.0	8.40	0.03	= 7.56	
	60-90	01	30.0	8.20	0.03	= 7.38	
	90-120	01	30.0	8.30	0.03	= 7.47	
	120-150	01	30.0	8.30	0.03	= 7.47	
	150-180	01	30.0	8.30	0.03	= 7.47	
	180-187.5	01	7.50	8.40	0.03	= 1.89	
						46.71 cum;	

CS FG 30/06

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Serial No.....

Name of work.....

Name of Contractor of nature of Agency....

Date of commencement of work.....

Date	Full description, etc, of work	Nu
1	2	
	Cross road joining p	
	0-15	0
	15-41	0
	41-67.5	0
	Pot hole-filling:-	
	1) Jakkur circle near bus-stop.	0
	2) Jakkur doubled (near SBM bank.)	0

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
ging	semi-dense	bituminous		
thick	with	100-120	1pH batch type	
e output of	75 tonnes.,			
track:-				
30·0	8·30	0·03	= 7·47	
30·0	8·40	0·03	= 7·56	
30·0	8·20	0·03	= 7·38	
30·0	8·30	0·03	= 7·47	
30·0	8·30	0·03	= 7·47	
0·0	8·30	0·03	= 7·47	
7·50	8·40	0·03	= 1·89	
			46·71 cum;	

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 188849

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	cross road joining previous road:-						
	0-15	01	15·0	5·70	0·03	= 2·57	
	15-41	01	26·0	5·80	0·03	= 4·52	
	41-67·5	01	26·5	7·00	0·03	= 5·57	
						12·65 cum.	
	Pot hole-filling:-						
	1) Jakkur circle	01	8·0	4·50	0·03	= 1·08	
	near bus-stop.	01	5·0	2·0	0·03	= 0·3	
	2) Jakkur doubled (near SBM bank.)	01	7·5	2·0	0·03	= 0·45	
						1·83 cum.	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					TOTAL=	61.19 cum	
	Qty Utd to		61.02	cum:			
	At the rate of Rs			8469.60 →			51 6778.40
	Item No.07:-				TOTAL=		
	Providing thermoplastic, hot applied thermoplastic Compound 2.5mm thick including reflectorising glass beads at 250 gms per sqm area;						
	Road parallel to railway track:-						
	0-30	01	30.0	0.10	-	= 3.00	
	30-60	01	30.0	0.10	-	= 3.00	
	60-90	01	30.0	0.10	-	= 3.00	
	90-120	01	30.0	0.10	-	= 3.00	
	120-150	01	30.0	0.10	-	= 3.00	
	150-180	01	30.0	0.10	-	= 3.00	

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Numb
1	2	3
	180-187.50	01
	Cross road joining	mai
	0-15	01
	15-41	01
	41-67.50	01
	Cut	
	Assistant Executive Engineer Kodigehalli Sub Division, BBMP Yelahanka Zone, Bangalore	Qty of R

UREMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
		TOTAL=	61.19 cum	
61.02	cum:			
of Rs:	8469.60 →		51 6778.40	
		TOTAL=		
oplastic, hot applied thermoplastic				
including reflectorising glass beads				
ca;				
ay track:				
30.0	0.10	-	= 3.00	
30.0	0.10	-	= 3.00	
30.0	0.10	-	= 3.00	
30.0	0.10	-	= 3.00	
30.0	0.10	-	= 3.00	
30.0	0.10	-	= 3.00	
30.0	0.10	-	= 3.00	

M.A.R. 57 (Rule 116)

Measurement Book No. A/11 188850

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	180-187.50	01	7.50	0.10	-	= 0.75	
						18.75 m.	
	cross road joining main road:-						
	0-15	01	15.0	0.10	-	= 3.0	
	15-41	01	26.0	0.10	-	= 5.20	
	41-67.50	01	26.50	0.10	-	= 5.30	
						13.50 m	
					TOTAL=	32.25 m	
	Qty	Hd	to:		28.70 m		
	of Rs:	475.00 →					13632.50

Assistant Executive Engineer
Kodigehalli Sub Division.
of the B.B.M.P.
Yelahanka Zone, Bangalore

MEASUREMENT BOOK

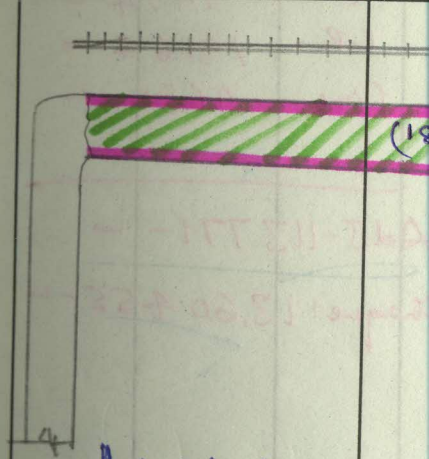
Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					GRAND TOTAL = ~~1473876.00~~ Rs: 14.74226.00		
					M.L.P.U.S.N.D AE(W2) 29/6/17		
	CERTIFICATE:-						
	1) certified that the work done by the contractor is satisfactory.						
	2) certified that debris has been removed from the work spot.						
	M.L.P.U.S.N.D AE(W2)				Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P., Bangalore		

Serial No.....

Name of work.....

Name of Contractor of nature of Agency...

Date of commencement of work.....

Date	Full description, etc, of work	Nu
1	2	
	 M.L.P.U.S.N.D AE(W2)	

...REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
			GRAND TOTAL= ~~1473876.00~~ Rs. 14.74.226.00	
			AE(W2) 29/6/17	
			works done by the contractor is	
			one has been removed from the	

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore

M.A.R. 57 (Rule 116)

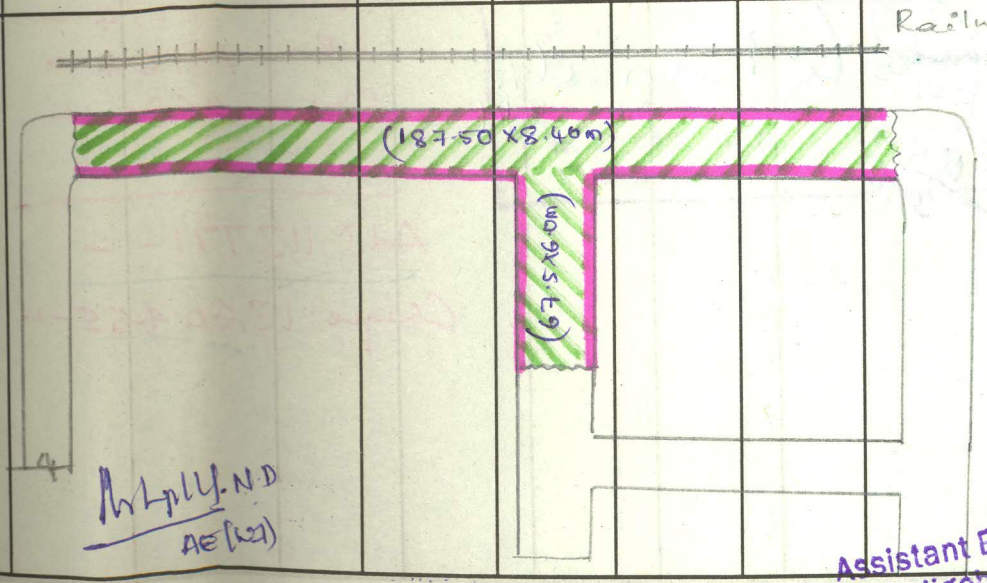
Measurement Book No. A/11 188851

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Railway tracks	

AE(W2)

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,

BR No° 198/30.6.17.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 1474226-ಆ ಗಣಕೀಕೃತ ಮಾಪನ ಮಾಡಿದೆ : ಇದರಲ್ಲಿ ರೂ. 113771-ಆ ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು 1360455-ಒ Rs. Thirteen Lakhs sixty thousand four hundred fifty five only. ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ ಲೆಕ್ಕಾಧೀಕ್ಷಕರು ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು ಬೃ. ಬೆ. ಮ. ನಿ. 30/6 ಕ. ಮಾ. ಅ. 30/6 ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು ಬೃ. ಬೆ. ಮ. ನಿ.					Total Rs: 14,74,226-ಆ IT - 14742-ಒ VAT - 58969-ಆ cess - 14742-ಆ CBF - 1474-ಒ LR - 19164-ಅ Fine 4680-ಒ Adj - 113771-ಆ Cheque: 13,60,455-ಒ	

Serial No.....
Name of work.....
Name of Contractor of nature
Date of commencement of wo

Date	Full description, etc, of
1	2